

REMARKS

New claims 26 -29 have been added.

SPECIFICATION

The amendment filed on September 29, 2005 was objected to under 35 U.S.C. § 132(a) because it was alleged that it introduced new matter into the disclosure. In particular, it appears that the Examiner is objecting to the inclusion of the phrase "without a wire stem" into claim 6 because it is alleged to be new matter not supported by the original disclosure.

Accordingly, paragraphs [0040] and [0046] of the specification has been amended to include the phrase "without a wire stem." Applicants submit that inclusion of such a phrase into the specification is not new matter because support for such amendments is found in original Figures 5 and 6 which clearly show an interconnect material 54 "without a wire stem." Further, the last sentence of original paragraph [0046] of the specification stated that "[d]uring a reflow process, the interconnect material 54 melts and forms a unitary electrical interconnection between second die interconnect 21 and the lateral interconnect 50." In view of these amendments, Applicants respectfully request reconsideration of this objection.

CLAIM REJECTIONS UNDER 35 U.S.C. § 112

Claims 6-9 and 11-12 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. In particular, it was alleged that the claims (i.e., independent claim 6) as amended disclosed a limitation ("without a wire stem") that was not disclosed in the specification or the drawings. Applicants respectfully request reconsideration of this rejection for at least the following reason.

As previously indicated, paragraphs [0040] and [0046] of the specification has been amended to include the phrase "without a wire stem." Again, Applicants submit that support for such amendments may be found in original Figures 5 and 6 and in

original paragraph [0046] of the specification. For at least these reasons, Applicants respectfully submit that claims 6-9, and 11-12 complies with the written description requirement under 35 U.S.C. § 112, first paragraph.

CLAIM REJECTIONS UNDER 35 U.S.C. § 102

Claims 6-9 and 12 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent Application No. 2002/00117330 to Eldridge *et al.* ("*Eldridge*"). Applicants request reconsideration of this rejection for at least the following reason.

As for claim 6, claim 6 was previously amended to include, among other things, "an interconnect material comprising a conductive material without a wire stem, the interconnect material being coupled directly with the redistributed interconnect; and an interconnect of a second microelectronic die substrate electrically and directly coupled to the interconnect material." Underline added. Applicants submit that such a structure is not disclosed in *Eldridge*. That is, Applicants submit that when all of the limitations, including the limitation "without a wire stem," are given their full weight, claim 6 is patentable over *Eldridge*.

Claims 7-9 and 12 each depend upon independent claim 6 incorporating their corresponding limitations. Thus, for at least the above stated reasons, claims 7-9 and 12 are patentable over *Eldridge*.

CLAIM REJECTIONS UNDER 35 U.S.C. § 103

Claim 11 stands rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over *Eldridge*. Claim 11 depends upon amended claim 6, incorporating its limitations. Therefore, by virtue of its dependency, claim 11 is not obvious and is patentable over *Eldridge*.

NEW CLAIMS

New claims 26-29 have been added. Independent new claims 26 and 28 recite features similar to those of claim 6 except that they do not include the phrase "without a

wire stem." Further claims 26 and 28 recite the features "an interconnect material consisting an electrically conductive reflowable material" and "an interconnect material consisting an electrically conductive adhesive," respectively. Such features are not taught in *Eldridge*. Applicants therefore submit that new claims 26 and 28 are patentable over *Eldridge*. New claims 27 and 29 depend from and add additional features to independent claims 26 and 28. Thus, for at least the same reason that claims 26 and 28 are patentable, claims 27 and 29 are likewise patentable.

CONCLUSION

In view of the foregoing, Applicants respectfully submit that claims 6-9, 11, 12, and 26-29 are in a condition for allowance. Early issuance of Notice of Allowance is respectfully requested.

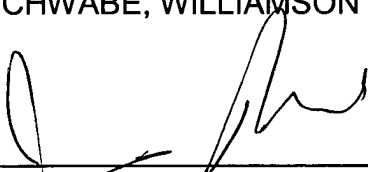
If the Examiner has any questions, she is invited to contact the undersigned at 503-796-2099.

The Commissioner is hereby authorized to charge shortages or credit overpayments to Deposit Account No. 500393.

Respectfully submitted,

SCHWABE, WILLIAMSON & WYATT, P.C.

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James J. Namiki
Reg. No. 51,148

Pacwest Center, Suite 1900
1211 SW Fifth Avenue
Portland, Oregon 97204
Telephone: (503)222-9981